



#4

1

SEQUENCE LISTING

<110> SCHLAGER, JOHN J.  
SWEENEY, RICHARD E.  
AVERY, DOUGLAS P.

<120> AUTOMATED METHOD OF IDENTIFYING AND ARCHIVING NUCLEIC  
ACID SEQUENCES

<130> RICD-00-21

<140> 09/961,058  
<141> 2001-09-24

<150> 60/235,899  
<151> 2000-09-28

<160> 16

<170> PatentIn Ver. 2.1

<210> 1  
<211> 404  
<212> DNA  
<213> Unknown Organism

<220>  
<223> Description of Unknown Organism: Comparative DNA  
sequence

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<222> (71)  
<223> a, t, c or g

<220>  
<221> modified\_base  
<222> (142)  
<223> a, t, c or g

<220>  
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<222> (224)..(225)  
<223> a, t, c or g

<220>  
<221> modified\_base  
<222> (237)  
<223> a, t, c or g

<220>  
<221> modified\_base  
<222> (289)  
<223> a, t, c or g

<220>  
<221> modified\_base  
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<223> a, t, c or g

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<221> modified\_base

<222> (301)

<223> a, t, c or g

<220>

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<222> (323)

<223> a, t, c or g

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<222> (333)

<223> a, t, c or g

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<222> (350)

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<223> a, t, c or g

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acaatggcctt ttcagttctt anaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacctc cagctccttg acattgtgga ccannaactt gcggaanccg 240
ctgggcagca tgtgcttggt tttcttggtg ctcccacaac cgaagtttng gcatcangat 300
ntggcccttg aaccttctcc ccncctggtg tcnatgcctc tgggtttccn catttcnctt 360
aatttcccat atcggtctga cttaattttc acatatcggt ctga 404
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<210> 2

<211> 383

<212> DNA

<213> Mus musculus

<400> 2

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tcgctgcgta gcctggcggtt gggattgggtg actctgatgg ccagctgtgc tgctcttttct 120
acaatggcctt ttcggttctt agaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacctc cagctccttg acattgtgga ccaggaactt gcggaagccg 240
ctgggcagca tgtgcttggt tttcttggtg ctcccataac cgatgttggg catcaggatc 300
tggcccttga accttctccg caccctggtg tcaatgcctc tgggtttccg ccagtttcgc 360
ttaattttca catatcggtc tga 383
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<210> 3

<211> 349

<212> DNA

<213> Unknown Organism

<220>  
 <223> Description of Unknown Organism: Comparative DNA  
 sequence

<220>  
 <221> modified\_base  
 <222> (71)  
 <223> a, t, c or g

<220>  
 <221> modified\_base  
 <222> (142)  
 <223> a, t, c or g

<220>  
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 <222> (224)..(225)  
 <223> a, t, c or g

<220>  
 <221> modified\_base  
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 <223> a, t, c or g

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 <223> a, t, c or g

<220>  
 <221> modified\_base  
 <222> (301)  
 <223> a, t, c or g

<220>  
 <221> modified\_base  
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 <223> a, t, c or g

<220>  
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 <223> a, t, c or g

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 acaatggctt ttcagttctt anaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180  
 ttgcacatca gcagcacctc cagctccttg acattgtgga ccannaactt gcggaanccg 240  
 ctgggcagca tgtgcttggt tttcttggtg ctcccacaac cgaagtttng gcatcangat 300  
 ntggcccttg aaccttctcc ccnctgttg tcnatgcctc tgggtttcc 349

<210> 4  
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 <212> DNA  
 <213> Rattus sp.

<400> 4  
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 acgatggctt ttcgggttctt agaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180  
 ttgcacatca gcagcacttc cagctccttg acattgtgga ccagaaactt ccggaagccg 240  
 ctaggcagca tgtgcttggt tttcttggtta ctcccgtaac caatggttggg catcaggatc 300  
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<210> 5  
 <211> 103  
 <212> DNA  
 <213> Unknown Organism

<220>  
 <223> Description of Unknown Organism: Illustrative DNA  
 sequence

<400> 5  
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 acataaaaca tgcacacaag ccatctactc attttcttcg ctg 103

<210> 6  
 <211> 20  
 <212> DNA  
 <213> Unknown Organism

<220>  
 <223> Description of Unknown Organism: Adapter sequence

<400> 6  
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<210> 7  
 <211> 20  
 <212> DNA  
 <213> Unknown Organism

<220>  
 <223> Description of Unknown Organism: Adapter sequence

<400> 7  
 acctcggccg cgaccacgt 20

<210> 8  
 <211> 33  
 <212> DNA  
 <213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 8

ttactagtgg atccgagctc ggtaccaagc ttc

33

<210> 9

<211> 20

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 9

agcgtggtcg cggccgaggt

20

<210> 10

<211> 20

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 10

acctgcccgg gcggccgctc

20

<210> 11

<211> 33

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 11

cacactggcg gccgctcgag catgcatcta gag

33

<210> 12

<211> 19

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 12

agcggccgcc cgggcaggt

19

<210> 13

<211> 19

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Adapter sequence

<400> 13

acctgcccgg gcggccgct

19

<210> 14

<211> 624

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illustrative DNA  
sequence

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<222> (372)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (403)

<223> a, t, c or g

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<222> (407)

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<222> (434)

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<222> (436)

<223> a, t, c or g

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<222> (453)

<223> a, t, c or g

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<222> (483)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (492)

<223> a, t, c or g

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 <223> a, t, c or g

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 <223> a, t, c or g

<220>  
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 <223> a, t, c or g

<220>  
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 <223> a, t, c or g

<220>  
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 <222> (570)  
 <223> a, t, c or g

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 <221> modified\_base  
 <222> (575)  
 <223> a, t, c or g

<220>  
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 <222> (613)  
 <223> a, t, c or g

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 ggactcataa gaacacattt tataaatgtt aaacacaaaa actacatgac tgaagataga 180  
 agagaatgcg atggatttta ttacacatgg tggaagagag aagaggcgtg taggtttgca 240  
 aacaaagtta agaaatagga aactgaattt ttcattgtac agaaaatgta tctcttgggg 300  
 aaggcctgtg tacctgcccg ggcgccgct cgaaattcca gcacactggc ggccgttact 360  
 agtggatccc anctcggtac caagcttggg gttatcatgg tcntaanctg tttcctgtgt 420

gaaattgtta tccncccc attcccccc acnttccaac ccgaaacett aaatttttaa 480  
 ccnggggtgc cnaatgaatn acccaccen ttattgcttt gccncctgcc ccttcctcg 540  
 gaacntctn cccctctttn taaaccgcn cccnggaaa gcgtttcttt tggccctcc 600  
 cctccccctc ctnatcctgc ccct 624

<210> 15  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 15  
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<210> 16  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 16  
 ttcgaaccat ggctcgagcc 20